



*Winner Series*TM

BRI Gateway

ISDN BRI to GSM Gateway

Version 5.1

User Manual

Note:

The most updated Dual Cell BRI Gateway manual is located on our Web site, at:
www.gsm4voip.com in the downloads section.

Check this site for latest updates.

**Connecting Landline Phones
to Cell Phones directly**

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Usage Warnings

High voltage transients, surges, and other power irregularities can cause extensive damage. It is the user's responsibility to provide a power protection system.

It is the user's responsibility to install, operate, and maintain the system in accordance with all applicable codes, regulations, and safety measures.

Trademark and Patents

All trademarks, patents and copyrights apply.

General Manual Notes

Without a notice and without obligation, the contents of this manual may be revised to incorporate changes and improvements. Every effort has been made to ensure that the information is complete and accurate at the time of publication. Nevertheless, Eurotech Communication cannot be held responsible for errors or commissions.

The screen snapshots in this manual may have older version labels than your delivered package version.

Dear Customer,

We thank you for purchasing our BRI Gateway.

The information in this manual does not constitute a warranty of performance, although the information has been compiled and checked for accuracy by Eurotech Communication Ltd.

All our products are developed and produced by experienced engineers, who aspire to achieve customer satisfaction, utility value and reliability of products.

Warranty Policy

The Dual Cell to BRI Gateway product you have purchased is under warranty of 12 months from the date of purchase, by the original purchaser. In case of defects of materials or workmanship, Eurotech Communication will replace it free of charge. This warranty applies to hardware/software but does not include SIM Cards.

This warranty will not be honored if the device has been mishandled in any way.

We hope you enjoy our product and we will be happy to receive any comments you may have. This will enable us to improve our products and the technical support that we give to every customer.

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Getting Started

Eurotech Communication team is glad you have chosen to use the Eurotech's Dual-Cell GSM to BRI Gateway for your needs. We will do our best, to make your installation efforts as well as day-to-day configuration and monitoring tasks, to be as pleasant as possible. We wish you a smooth operation, while greatly saving on your office mobile phone calls.

This chapter is your ***“Map for installation, configuration and monitoring tasks”*** and includes a short explanation on each stage, as well as references for more elaborated explanations, drawings and examples in following chapters. The following is a list of tasks which are recommended to go through. It includes mandatory tasks as well as optional tasks that are not required for your current needs. It is advised, that you will use the following menu as your check-up **To-Do-List**.

We advise you, to print this chapter and mark each stage when completed (e.g. V mark when done).

- **Mandatory - Check package items delivered in your package**

Refer to the **“Check your Package Items”** chapter in order to see if all items, which should be in your package, are delivered.

- **Mandatory – SIM cards installation and connections**

- **Install SIM Cards**
- **Install Power Supply and 12v Power Cable**
- **Install Antennas**
- **Install ISDN cable**
- **Install RS-232 (Comport cable) for PC serial COM port connection**

Refer to **“Chapter 1: SIM Cards Installation and Cables Connecting”** for specific and detailed guidelines.

- **Mandatory – Install the management application**

Install the MS-Windows Management Application on the PC/Laptop allocated for the system management. Use the provided CD.

Refer to **“Chapter 2: Installing the Manager Application”** for further information.

- **Mandatory – General configurations**

In order to operate the system, mandatory basic setup steps should be performed by using the serial RS-232 via PC COM port.

Refer to “**Chapter 3: Configurations with the BRI Management application**”.

- **Mandatory - System configuration**

Use the RS-232 connection and BRI Management MS-Windows application. You can use this method for later day-to-day management for monitoring and reports of the BRI Gateway activity. The gateway system via IP is highly recommended as you can have the management done remotely from the system via internet connection.

- **Mandatory - Port, ISDN channels, phone numbers configurations**

In order to operate the system ports and use the installed SIM cards as well as the ISDN connection, a specific setup should be performed. Refer to the following chapter that match your configuration needs:

- Chapter 4: Port and SIM Settings
 - Chapter 4.1: Define Dial Settings for Each Port
 - Chapter 4.2: Define Type of Dialed Numbers Dispatch Mode
 - Chapter 4.3: Define Minimum Amount of Time between Outgoing Calls
 - Chapter 4.4: Define SIM Specifications
 - Chapter 4.5: Define the Channel Lock
- Chapter 5: ISDN and Time Settings
 - Chapter 5.1: ISDN Settings
 - Chapter 5.2: Time and Date setting
- Chapter 6: B-Channel – Port Association
 - Chapter 6.1: B-Channel – To in-House Phone Number Association.
 - Chapter 6.2: In-House Phone Number and Gsm Association.
 - Chapter 6.3: Network Prefixes Setting.
 - Chapter 6.4: Allocation Mode Setting.

- **Optional - Monitoring and reports**

The BRI Management MS-Windows application enables you to monitor calls in real time. It is recommended, that the computer that has the management application installed, will be kept connected at all times in order to enable fast response for configuration and continuing monitoring of the system. The BRI Management MS-Windows application enables you to generate call reports and export the report files for additional analysis. It is recommended that the management application PC will be connected via IP to enable flexible and continues connection with the monitored

system.

Refer to “**Chapter 7: Monitoring Calls and Reports**”

For getting the most updated product Info on the Web

Refer to <http://www.gsm4voip.com>

At menu: Cellular Gateways

Please give us feedback to improve your BRI Gateway product

Please let us know your feedback and enhancement ideas to improve the product to your best value.

Email: Support@gsm4voip.com

Check Your Package Items

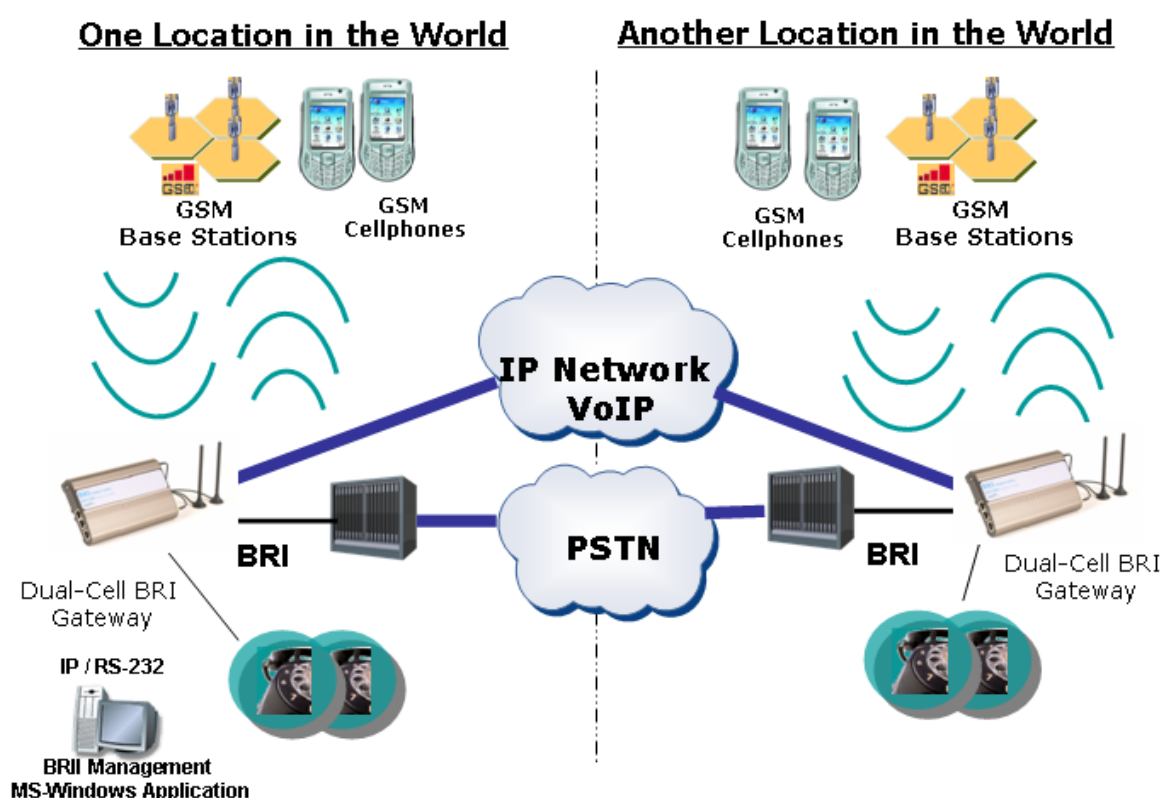
Please verify that your package contains the following components (some were ordered specifically) before installation:

- Main Hardware Device - **The Dual Cell BRI Gateway**
- **110/220V 50-60Hz Electric Power Converter to 12V with cables supplied**
- **Software Installation CD** - Installation kit of the Dual Cell Manager CD for MS-Windows Management Application, including the User Manual file and additional auxiliary utilities.
- **2 GSM Antennas** – To be installed to the BRI Gateway
- **RS-232 Serial PC Comport connection cable (RJ-45 to RS-232 COM)** - will be referred as Comport cable in this manual
- **RJ-45 ISDN BRI regular connection cable** - for ISDN BRI connection to a PBX.

The Dual Cell BRI Gateway Solution Overview

The Dual Cell BRI Gateway, that will be referred as the BRI Gateway in short, is a device that connects your desk phones directly to cellular phone networks. This gateway completely bypasses the local landline telephone company. Two desk phones can be connected to each Dual Cell Gateway via a phone switching unit (often a PBX type switch). Each port in the Dual-Cell Gateway contains a SIM. A SIM is a smart card that contains information such as the GSM network and phone number billing and verification Id.

The Dual Cell can be configured to direct phone calls through the most economical SIM.



An MS-Windows PC/Laptop shall be used to operate the BRI Management MS-Windows application. The BRI Management MS-Windows application is used for configuration, monitoring, and usage reports generation, via RS-232 (Comport) PC COM. For monitoring reports and statistics, it is recommended to keep the management application connected to the BRI Gateway at all times. The management application provided is mandatory for configuring the BRI Gateway operation and optional for monitoring and reports. However it is highly recommended to leave the management application always connected to the BRI for on-line monitoring, reporting, and performing configuration changes if required.

The BRI Management MS-Windows application provides the following functionalities:

- **Configuration**
Connections, ports, channels, SIM cards and operational modes can be configured
- **Monitoring**
Call operations can be monitored from the management application. Therefore you may wish to leave the computer permanently connected to the Multi-Cell BRI system.
- **Reports and statistics**
Call reports, calls history, antenna reception, status logs and more, can be generated for analysis with standard MS-Windows data processing tools such as MS-ACCESS and MS-EXCEL.

Chapter 1: Installing SIM Cards and Connecting the Cables

First you shall install the GSM SIM cards and later connect several cables and install the antennas to the BRI Gateway.

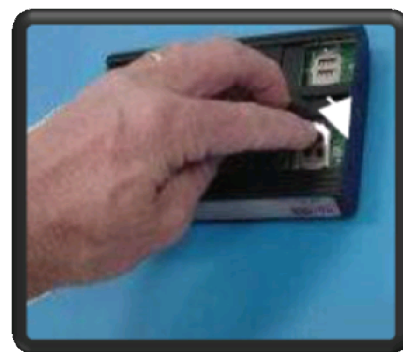
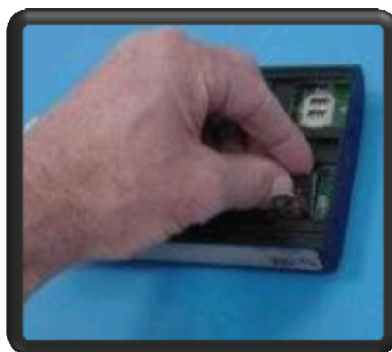
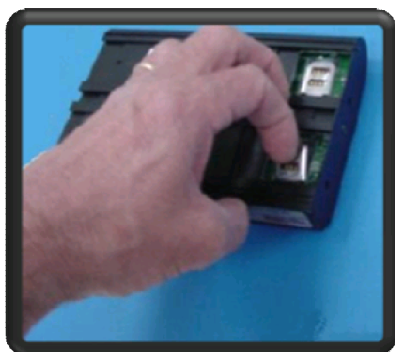
Chapter 1.1: Installing the SIM Cards

Insert the SIM cards into the Dual Cell as follows:

- On the bottom of the Dual Cell, open the SIM chambers by sliding the cover panels sideways.
- Open the SIM slots as follows: Position the back of the Dual Cell as shown below, grip the clip in the chamber, and slide the clip towards yourself, about ¼ cm.

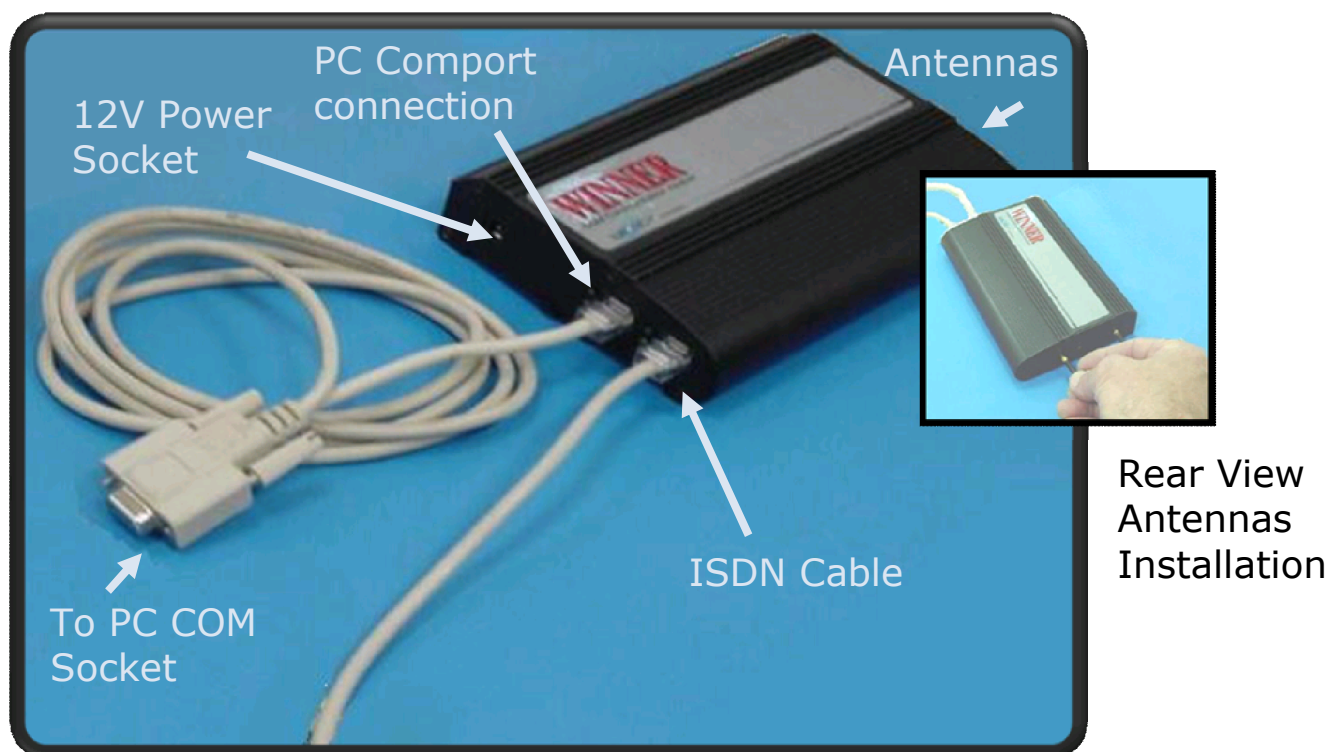


- While the clip is slid towards you, pull it upward and outward. The end, closest to you, is on a hinge. Insert the SIM, so that contacts are facing down, close the clip, and close the cover panel.



Chapter 1.2: Connecting the Cables

- **12v power cable** - The device power cable is supplied with a power supply converter for covering all main voltage electricity services in the world. Connect a 120V (North America), or 240V (Europe) power supply cable to the BRI-Cell Gateway.
- **ISDN cable** - The regular ISDN cable is used to connect the system to the PBX, serving the office landline phones.
For the regular ISDN cable, connect the ISDN line from the telephone switching unit in your office to the Multi-Cell unit. Connect the ISDN line to the RJ-45 socket labeled "ISDN" in front of the Multi-Cell unit, as shown below.
- **PC Comport RS-232 cable** - The RS-232 serial connection cable between the BRI and the PC is used for the installation of the BRI Management Application.
- **Antenna Cables** – Connect the Antennas via antenna cables as shown below.

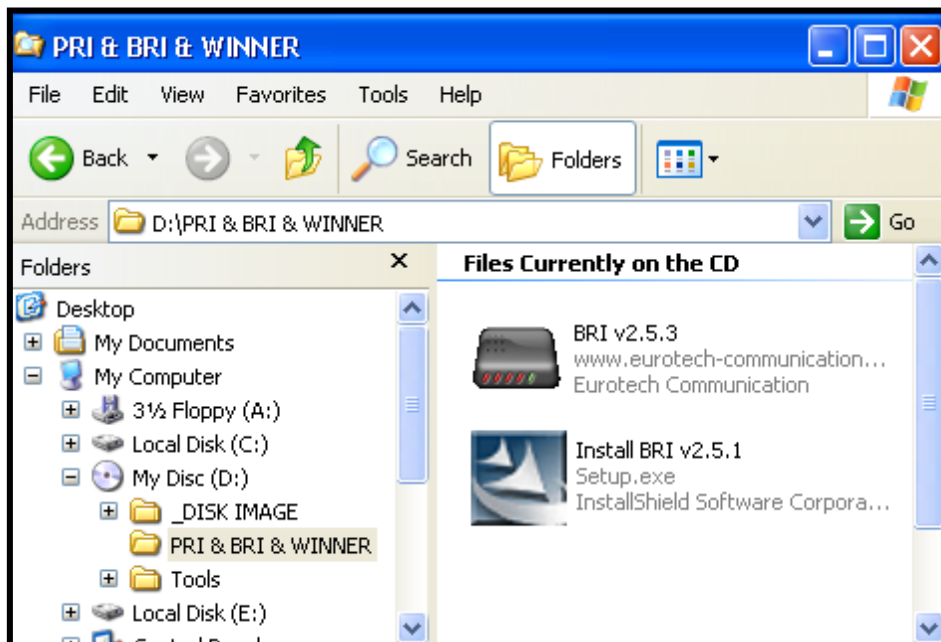


Chapter 2: Installing the Manager Application

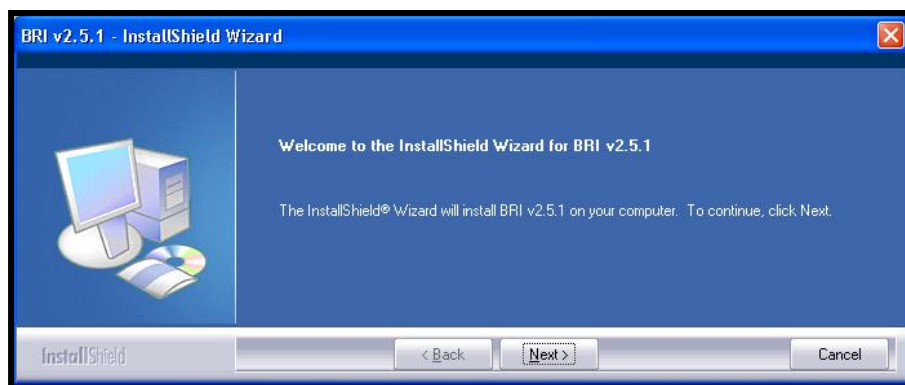
Before operation, configuration settings must be made in the Winner Series BRI Gateway. Configuration is done on an auxiliary computer by using the BRI Management MS-Windows Application provided for MS-Windows operating system.

Chapter 2.1: Install the BRI Management Application into an MS-Windows PC

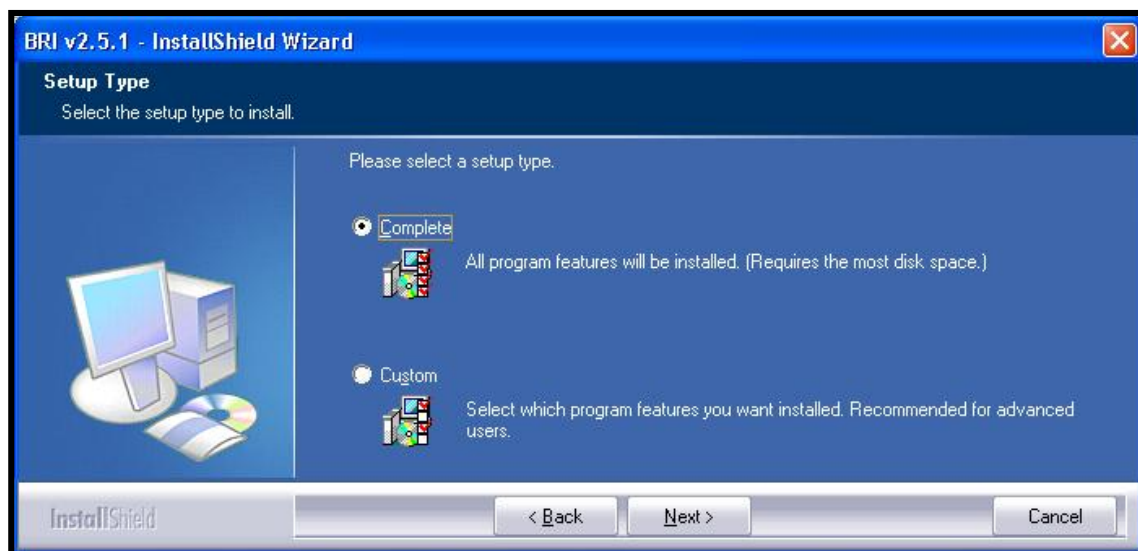
1. Insert the BRI Management installation CD into the CD drive of the PC.
2. In Windows Explorer, navigate to the installation CD drive.



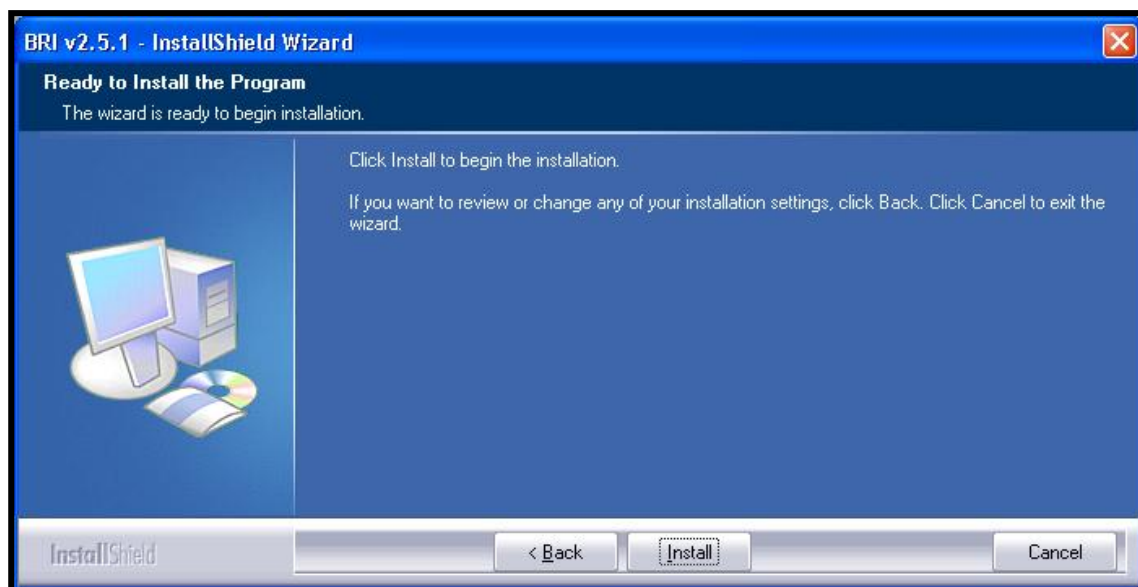
3. Double click  to install the BRI Management Application. The Installation window will open.



4. Click Next.
5. The **Setup Type** window will open.



6. Select **Complete** and click next.
7. The **Begin Installation** window will open.



8. Click **Install**. The BRI Management application installs itself. Wait until a completion message will appear.

Chapter 3: Configurations with the BRI Management Application

After installing the BRI Management application, launch it and define the Type of Connection between the PC and the BRI Gateway as described below.

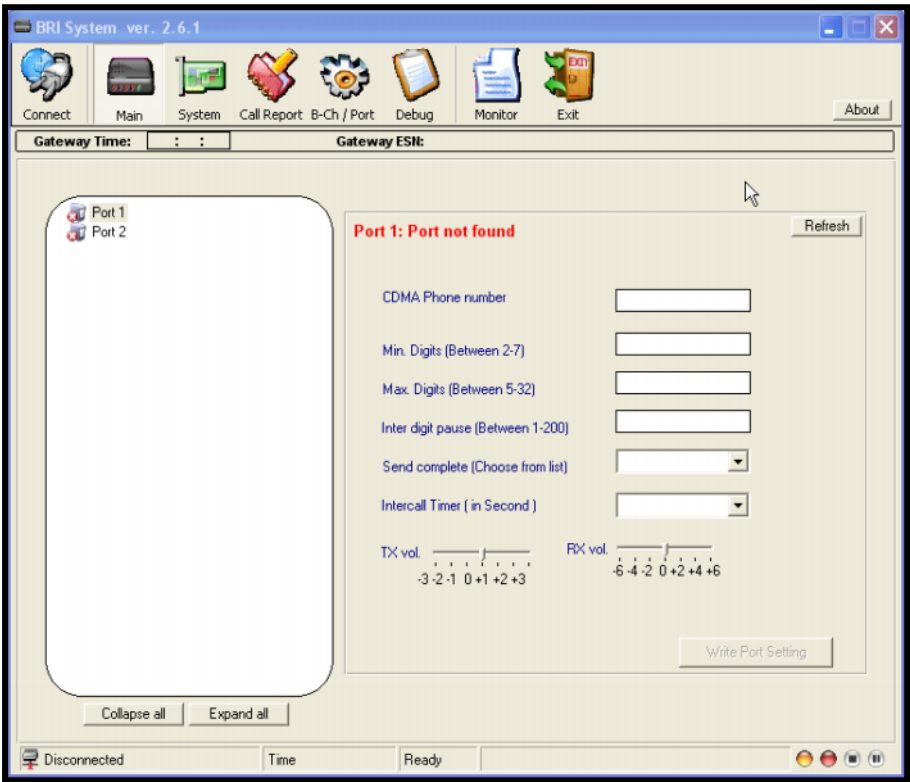
1. Launch the BRI Management by pressing on your desktop, or by pressing:



PC

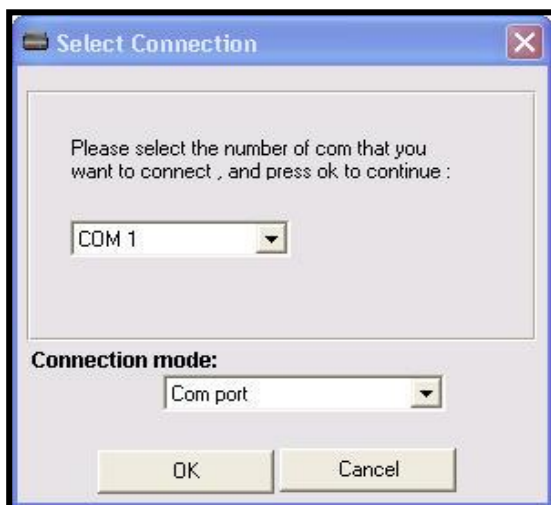
Start > Programs > Eurotech-Communication > BRI Management v5.1.

The BRI Management application window will open.





2. Press **Connect** in the toolbar. The Selected Connection window will open.



3. Select the Com Port to which the Winner Series BRI Gateway is connected to.
4. Select in the Connection Mode Com Port and press the OK button.

Note: For the connection via TCP/IP see Appendix A.

After installing the Manager and defining the port connection, define port and SIM settings as described in chapter 4.

After establishing communication between the auxiliary computer and the Winner Series BRI Gateway, define groups of telephones in your office, as described in the following chapter.

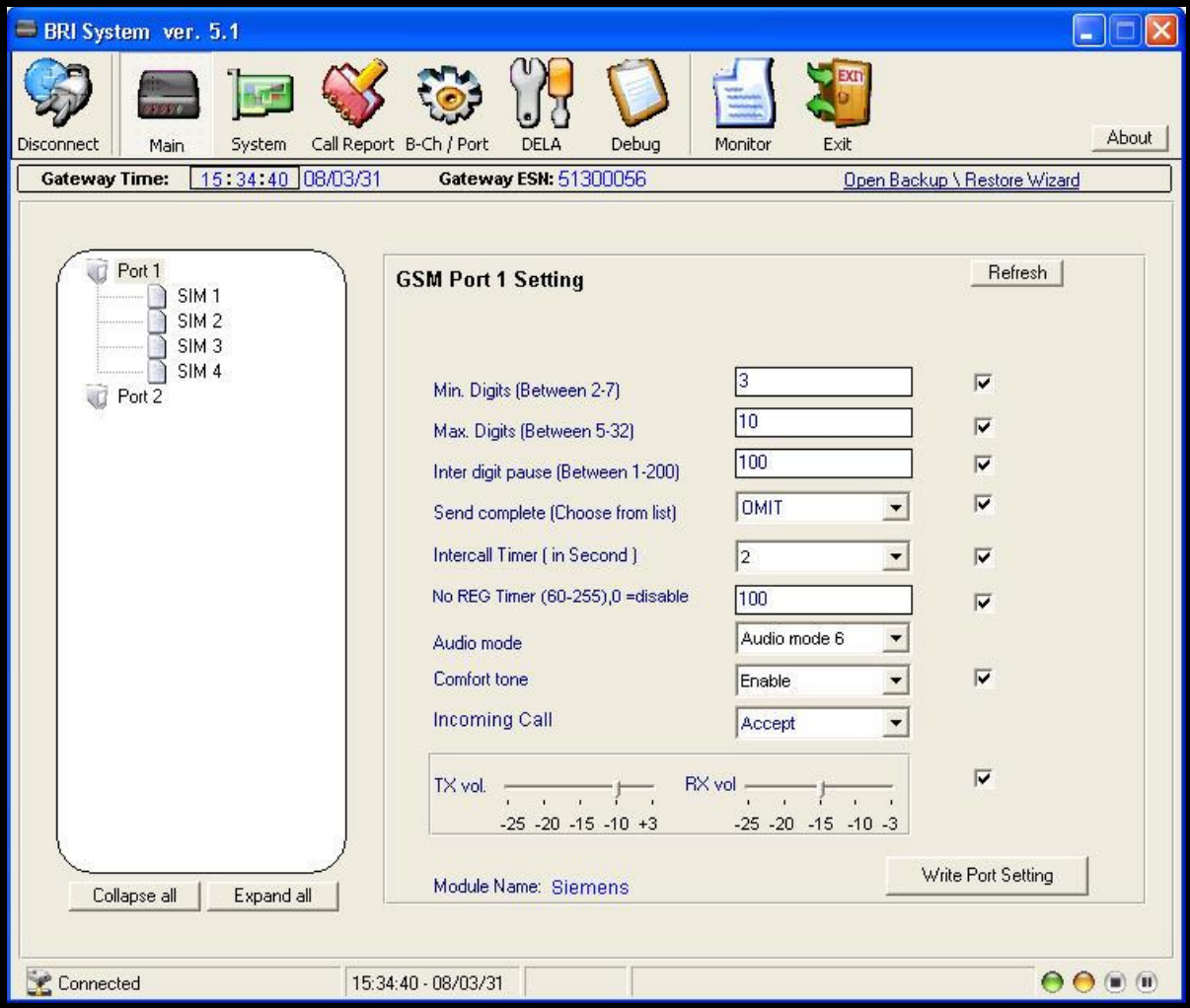
Chapter 4: Port and SIM Settings

This chapter describes port dial settings, as well as timetables and channel locks for SIM cards in use.

Chapter 4.1: Define Dial Settings for Each Port



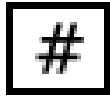
Press **Main Setting** to define dial settings for each port. The Port Setting window opens. To define port dial settings, choose a port and proceed as described on the following pages.



Chapter 4.2: Define Type of Dialed Numbers Dispatch Mode

You can define manual or automatic dispatch. Select the mode in which telephone numbers are dispatched to the GSM network.

- To **dispatch phone numbers manually**, in the Send Complete list, select HASH.

In this mode, after you dialed all digits of a phone number, press  to send the phone number.

- To **dispatch phone numbers automatically**, in the send complete list, select OMIT. Then set three additional parameters:
 - a) Define the length of phone numbers that will be dialed from the port (within a range).
 - i) In the Min. Digits box, enter the number of digits of the shortest phone number that will be dialed from this port.
 - ii) In the Max. Digits box, enter the number of digits of the longest phone number that will be dialed from this port
 - b) Define the Inter Digit Pause. This parameter defines a waiting time, after a digit is pressed, before the number is automatically dispatched to the GSM network.
 - i) If this parameter is set too low, then incomplete phone numbers may be dispatched if the user pauses briefly while dialing.
 - ii) If this parameter is set too high, then users would have to wait a long time before a number is dispatched.

The inter digit pause is activated after the minimum number of digits have been dialed. In many situations, two or three seconds may be appropriate for this parameter. Each unit of this parameter is 50 milliseconds.

For example, to set an inter digit pause of 3 seconds, enter a value of 60 in this box ($60 * 50 \text{ milliseconds} = 3,000 \text{ milliseconds} = 3 \text{ seconds}$).

When a port is set to auto-dispatch phone numbers, the number is dispatched automatically after the user has dialed the maximum number of digits, or, when an inter digit pause has occurred.

Chapter 4.3: Define Minimum Amount of Time between Outgoing Calls

Setup the minimum amount of time between outgoing calls in the Intercall Timer box.

Set this parameter according to limitations of the GSM network. In many situations, **two seconds may be an appropriate value** for this parameter.

Chapter 4.4: Define Registration Timer

Setup the time the module will try registering a SIM card. At the end of this time he will move to the next available SIM.

After making port settings, you **MUST** press **Write Port Setting** to send the settings to the Winner Series BRI Gateway unit. Then make settings for each SIM, as explained in the following section.

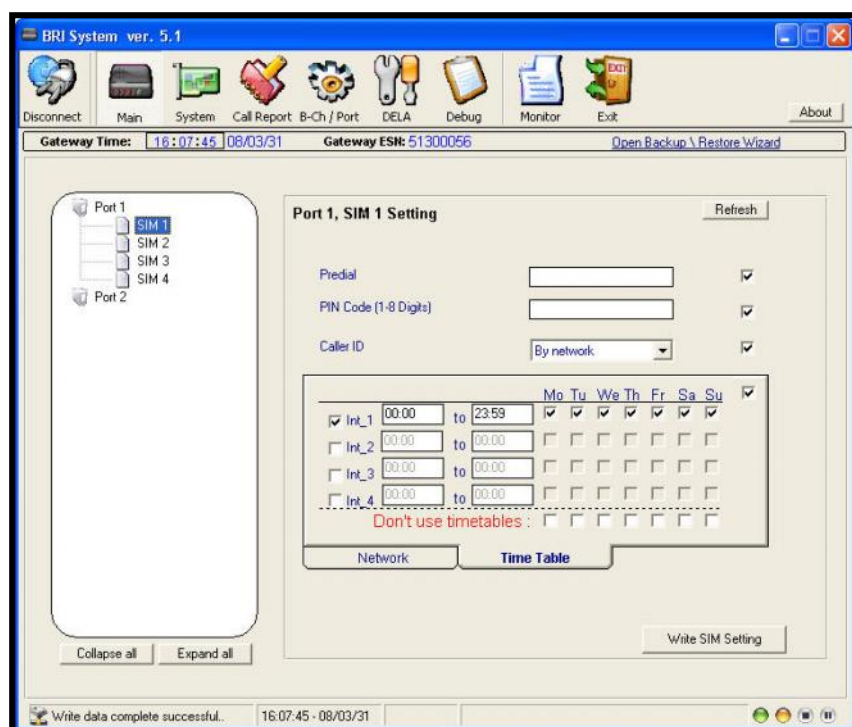
Chapter 4.5: Define SIM Specifications

In order to define a specific SIM setting you need to choose the specific SIM in the Port SIMs Tree on the left side of the main screen.

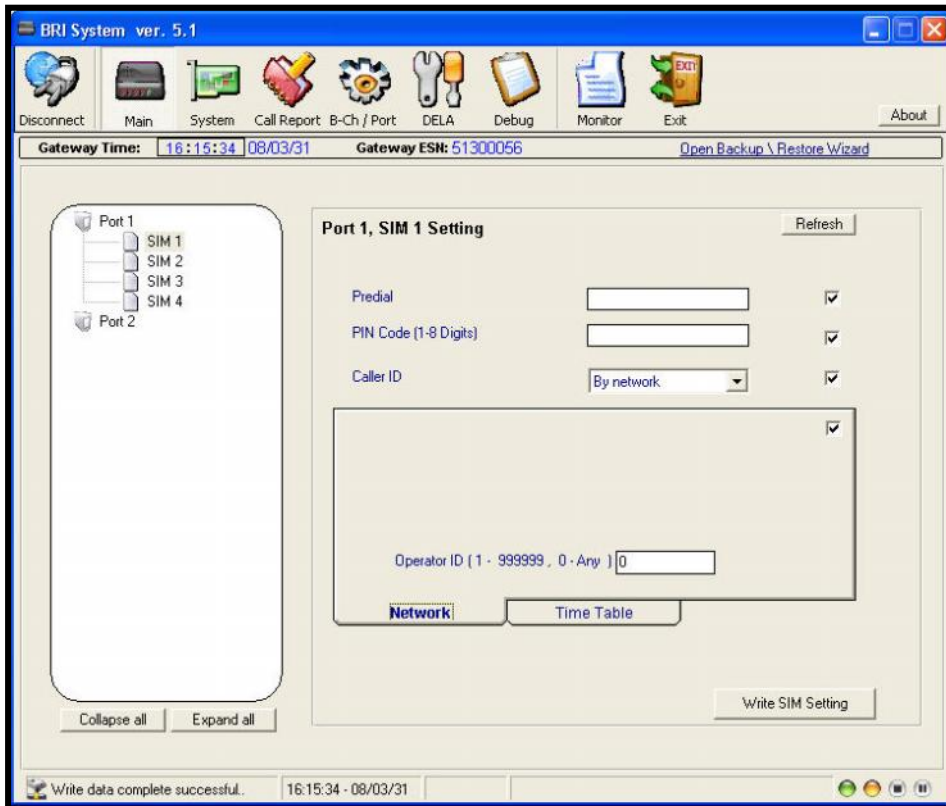
First we will define the activation time for the SIM. Press the **[Time Table]** Tab. The Time Table Tab with SIM Spec Definition window will appear. Now you can define the main SIM definitions, time range, and days that SIM will be enabled. See next page.

Enter SIM specifications:

1. Enter the **Predial number** in the **Predial number box**.
2. Enter **the PIN code** of the SIM in the **PIN CODE box**.
3. Select a **caller identification option** in the **Caller ID list**:
 - To enable the GSM network to set caller ID standards, select Network.
 - To disable identification of the SIM, select CLIR Suppression.
 - To enable identification of the SIM, select CLIR Invocation.
4. In the Time Table tab, define hours, and days, that the SIM is active. Days can be divided in up to four intervals.
 1. Select an interval.
 2. Enter the hours of the interval.
 3. Select days that this interval will be activated. Select days of deactivation in the row.



Chapter 4.6: Define the SIM Operator



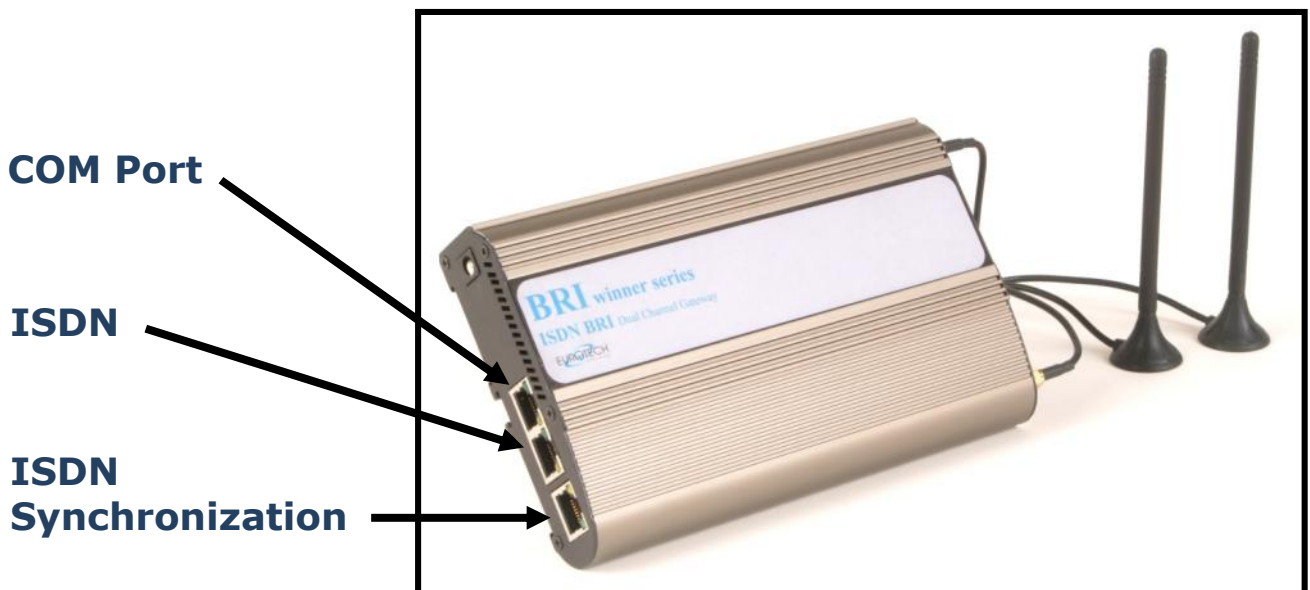
To **assign the SIM** to work with a specific GSM network, in the **Operator ID**, enter the GSM network operator ID, between 1–999999. Enter 0 to work with the SIM operator.

Chapter 5: ISDN and Time Settings

This chapter describes the required and optional ISDN settings as well as the related time setting.

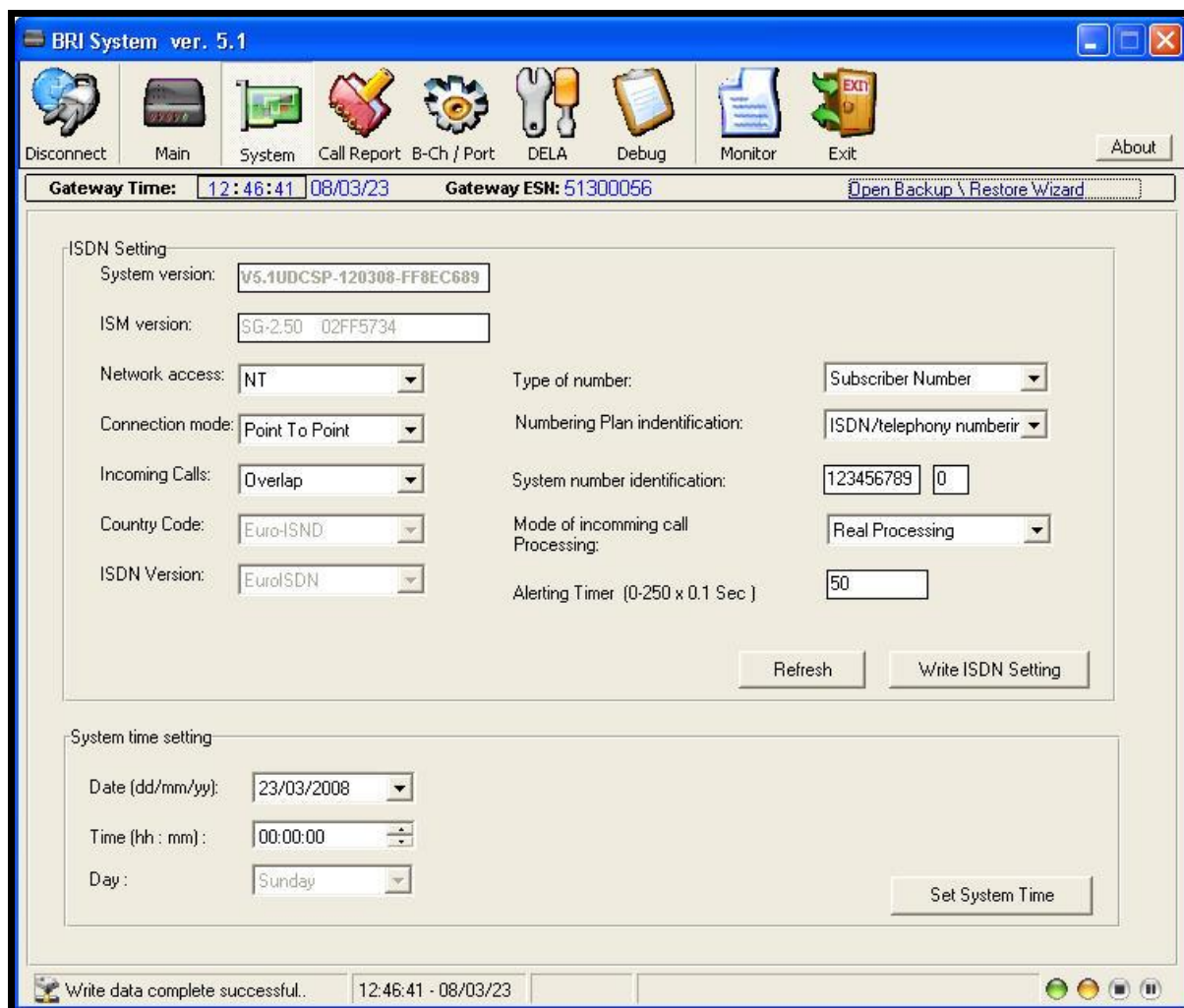
Chapter 5.1: ISDN Settings

Each Winner Series BRI Gateway has a master printed circuit board (PCB). The ISDN card is a small PCB mounted on the master PCB. The ISDN card is between ports in the Winner Series BRI Gateway and the external phones PBX switching unit.



To define ISDN settings, press: . The ISDN window opens. This window defines settings in the ISDN line, between the switching unit and the ISDN card. Enter specifications as described on the following pages. Ensure that settings are in conformity with settings in the switching box.

Continue settings in the ISDN configuration window as follows:



1. System Version is **the version of the master card software** in the PCB.
2. The ISDN module is a small PCB connected to the master PCB. **The ISDN module has an EEPROM containing ISM software.** The ISM version is the **version of the ISM software.**
3. Select "NT" or "TE" in the Network access box.
4. Select **"Point to Point"** or **"Point Multipoint"** in the Connection mode box.
5. In the Incoming Calls box, select the interface of incoming calls (from the switching unit to the ISDN card), **"Overlap"** (pulse) or **"In Block"** (packet), in conformity with the setting in the switching unit.
6. **Mode of Incoming calls processing** is the mode of earring the **ring back** tone. In Real Processing you will ear it at the begging of the call from the GSM network, in

Imitation Processing the ring back will begin automatically at the end of the alerting timer.

7. If you have more than one Winner Series BRI Gateway on site, **enter the address of each Winner Series BRI Gateway unit in System Identification Number.**
This entry can accept number between 1 and 9 digits.
8. If you have **sub-addresses** of Winner Series BRI Gateway, enter the sub **address of each Winner Series BRI Gateway unit** in the second box, 1 digit.
9. In the Type of Number box, select the **Type of Number (TON)** of calls, from the ISDN card to the switching unit, as defined in the switching unit.
10. The **Numbering scheme protocol**, from the ISDN card to the switching unit, is set at Number Plan Identification (**NPI**). Set this parameter as defined in the switching unit.
11. Press **Write ISDN Setting** to send **the ISDN settings to the Dual Cell unit.**

Note:

The following field boxes in this window are only displaying the existing settings

- **System version:** this box displays the Version of the master card Firmware.
- **ISM version:** this box displays the version of the ISM Firmware.
- **Country Code:** this box displays the default country code setting – EuroISDN.
- **ISDN version:** this box displays the default ISDN version – EuroISDN.

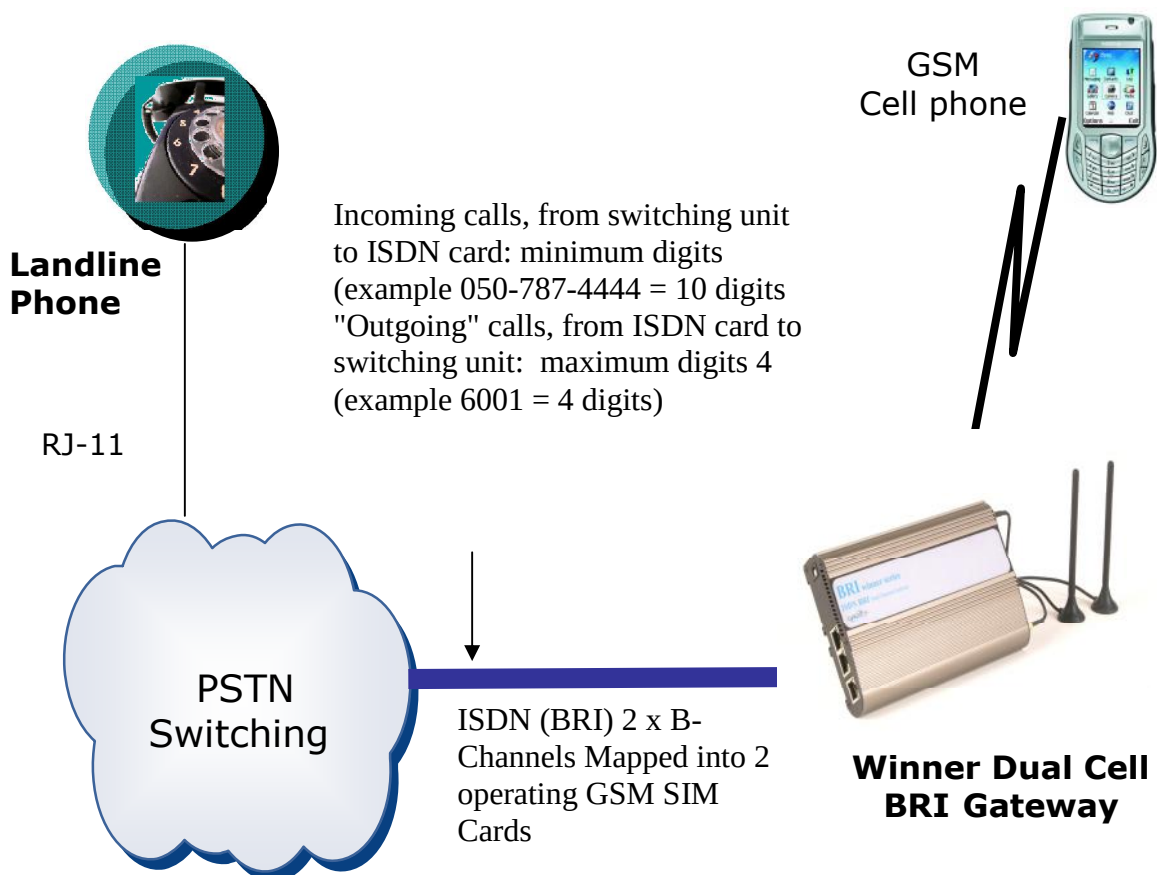
Chapter 5.2: Time and Date setting

At the bottom part of the ISDN window **set the date and time.** Then press **Set System Time** to send the settings to the Winner Series BRI Gateway

Chapter 6: B-Channel – Port Association

Communication through a **Dual Cell** is performed via **ports** on one end, and **B-channels** on the other end: Each **Dual Cell** has **two ports**. Each port extends to a **GSM module (containing a SIM)**. The GSM module communicates to the GSM network.

On the opposite end of the **Dual Cell**, two **B-channels** communicate to the switching unit.



This chapter explains the assigning of B-channels to in-house phones and the allocation of calls to Winner Series BRI Gateway ports.



These settings are made in the B-channel/Port window. Press **B-Ch / Port** to open the B-Channel/Port setup window. This window is divided into four frames, as shown on the following page.

BRI System ver. 5.1

Disconnect

Main

System

Call Report

B-Ch / Port

DELA

Debug

Monitor

Exit

About

Gateway Time: 08:53:41 08/03/24

Gateway ESN: 51300056

[Open Backup \ Restore Wizard](#)

Port/Prefixed Setting

☐ Port number

B-Channel

Stock

☒ Port #1

B-ch #01

☒ Port #2

B-ch #02

B-Ch Setting

☐ B-Channel

Local Number

☒ B-Ch #1

6001

☒ B-Ch #2

6002

Allocation Mode

☒ By Prefixes

☐ Static

☐ Cyclic

Maximum prefix length (1 -10):

Waiting time of free port (0-250): * 0.1 Sec

Clear

Import

Export

Priority 1

Port 1

Port 2

Priority 2

Port 1

Port 2

#	Prefix	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	052	☒	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	053	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	054	☐	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	055	☐	☐	☐	☒	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
11		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
12		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
13		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
14		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
15		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
16		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Refresh

Write Data

Connected

08:53:41 - 08/03/24

Chapter 6.1: B-Channel to In-House Phone Number Association

Assign office “in-house” phone number extensions to B-Channels

B-Ch Setting

☐	B-Channel	Outgoing Number
☒	B-Ch #1	6001
☒	B-Ch #2	6002

In-house phone numbers are assigned in the lower left frame.

Outgoing number refers to internal telephone numbers (For example, 6001 and 6002). For each channel that extends to a phone simply mark the check box, as shown in the screen snapshot above.

Chapter 6.2: In-House Phone Number and GSM Association

This prefixes table is for associating prefix numbers (on the left of the table) of the different GSM operators to a specific SIM (1, 2, 3, and 4, on the top of the table). A port that associates with this SIM can generate calls only to GSM numbers having the defined prefixes.

Each prefix has two priorities; the BRI will make the call using the SIM with the highest priority to that prefix. If the priority is the same for both ports, the BRI will use the port1, if busy then port2.

		Priority 1								Priority 2							
		Port 1				Port 2				Port 1				Port 2			
#	Prefix	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	052	✓				✓											
2	053		✓				✓										
3	054			✓				✓									
4	055				✓				✓								
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	

Chapter 6.3: Network Prefixes Settings

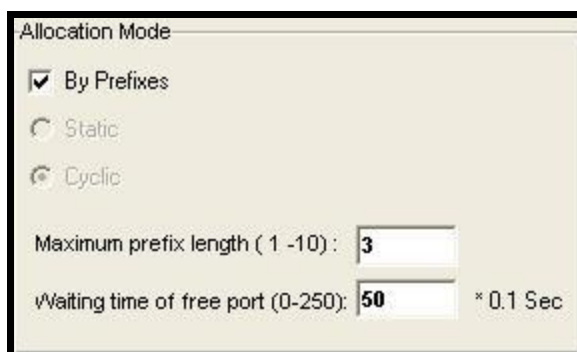
The prefix table is on the right side of the B-channel/Port window. This table is used to direct calls (**from the Winner Series BRI Gateway to GSM networks**) through the appropriate SIM. For example:

- If the GSM network includes telephone numbers that start with 052, then this prefix could be listed in row 1 of this table, specifying the SIM and the port desired, and the priority.
- If the GSM network includes telephone numbers that start with 053 then this prefix could be listed in row 2 of this table, specifying the SIM and the port desired, and the priority.

If the Prefix allocation mode is selected (as described below), then the Winner Series BRI Gateway checks the prefix of the outgoing numbers, and dispatches phone calls through the appropriate SIM. This helps ensure the lowest call rate possible for the user.

In this example a call to the GSM number 0525555555 will go out using SIM 1 and a call to 0535555555 will go out using SIM 2.

Chapter 6.4: Port Allocation Mode Settings



Allocation Mode

☒ By Prefixes

☐ Static

☐ Cyclic

Maximum prefix length (1 -10):

Waiting time of free port (0-250): * 0.1 Sec

The manner in which a phone call is directed to a port is determined in this frame.

By Prefixes: if selected, then the Winner Series BRI Gateway directs a call through a port according to the defined prefixes table.

Maximum prefix length is how many digits the prefix could be.

Waiting time of free port is how many seconds the BRI will wait for the port when busy.

Else, if **one GSM network** is designated for both ports, then select the manner in which ports will be selected:

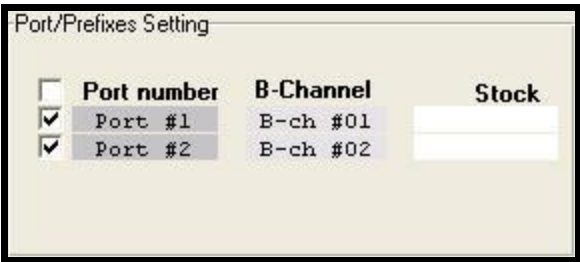
Cyclic indicates that ports will be selected in a cyclic manner: for example, if the first call is via port 1, the following call will be directed through port 2, the third call will be directed through port 1, and so forth.

Random indicates that ports will be selected at random, for example: port 2, port 2, port 1, port 2, port 2, port 1, port 1, and so forth.

If **Static** is selected, each ISDN B channel (and its respective telephone) is linked permanently to a port as defined in the prefixes table frame.

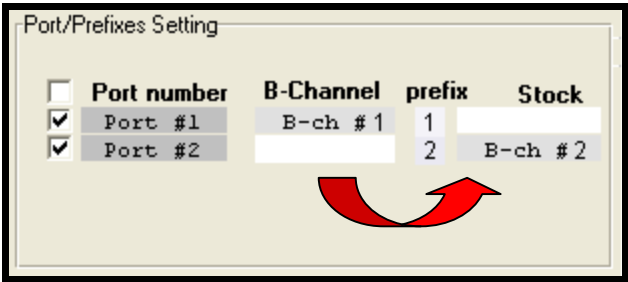
An ISDN B channel (and its respective telephone) can be switched as described below.

Chapter 6.5: Make Port Settings

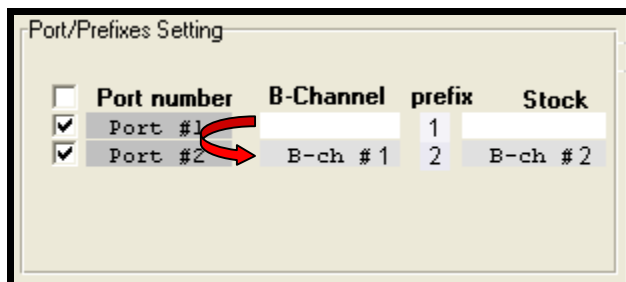


Port/prefix settings are made in the upper left frame of this window and associates a port to a B-channel.

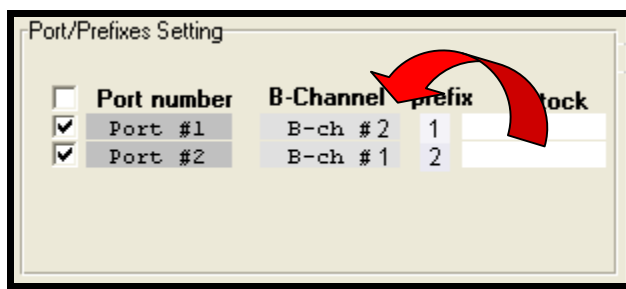
1. Check a port to activate it.
2. If you want ports permanently linked to B channels, and you want to change the order of connections, proceed as follows:
 - a) Click a cell in the B-channel column and drag the cell to the Stock column.



- b) Click the remaining cell in the B-channel column and drag it to the row of the desired port.



- c) Drag the cell in the Stock column to the desired position in the B-channel column.



After completing these steps, the Dual Cell is ready for operation. Calls can be monitored.

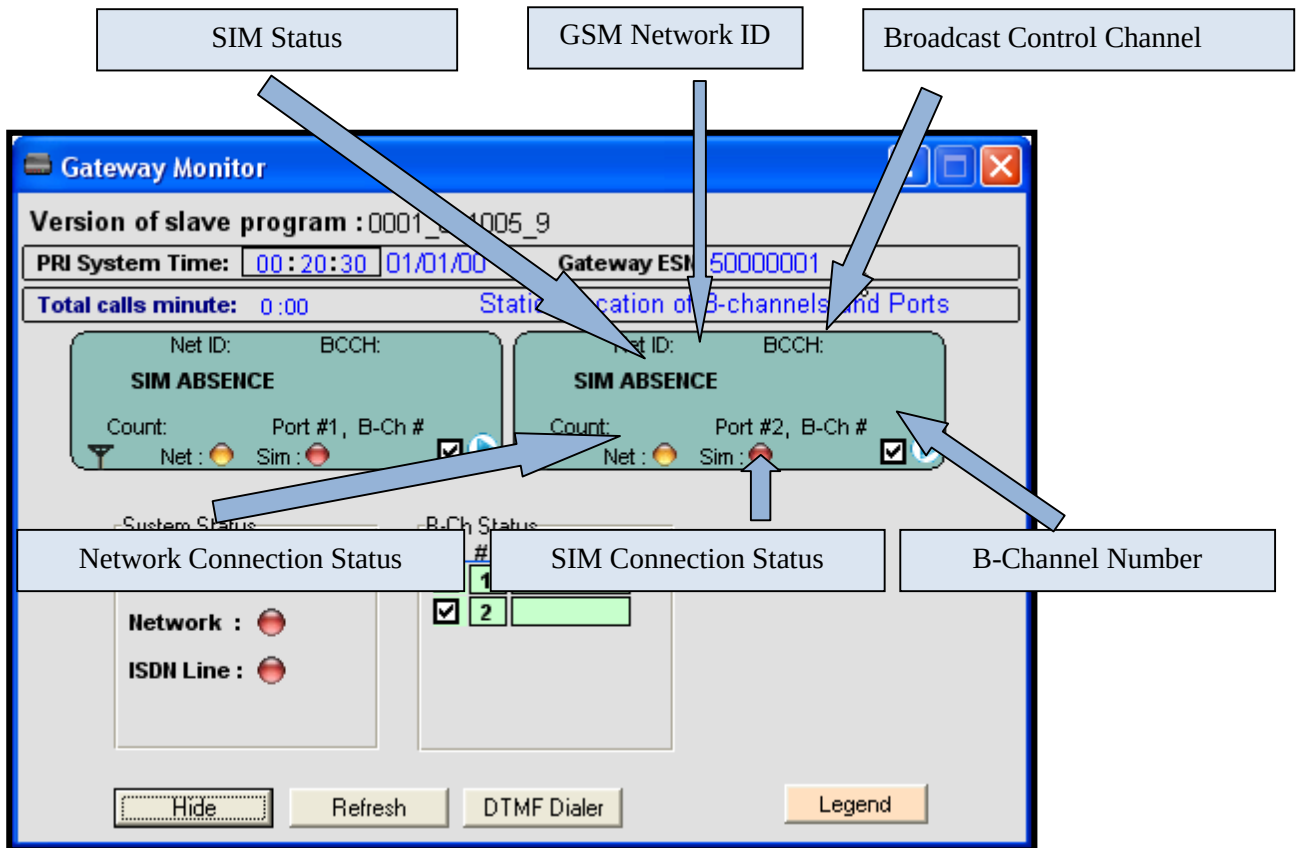
Chapter 7: Monitoring Calls and Reports

This chapter explains how to monitor calls and review reports.

Chapter 7.1: Monitoring Calls



To monitor calls press: the monitor screen opens.



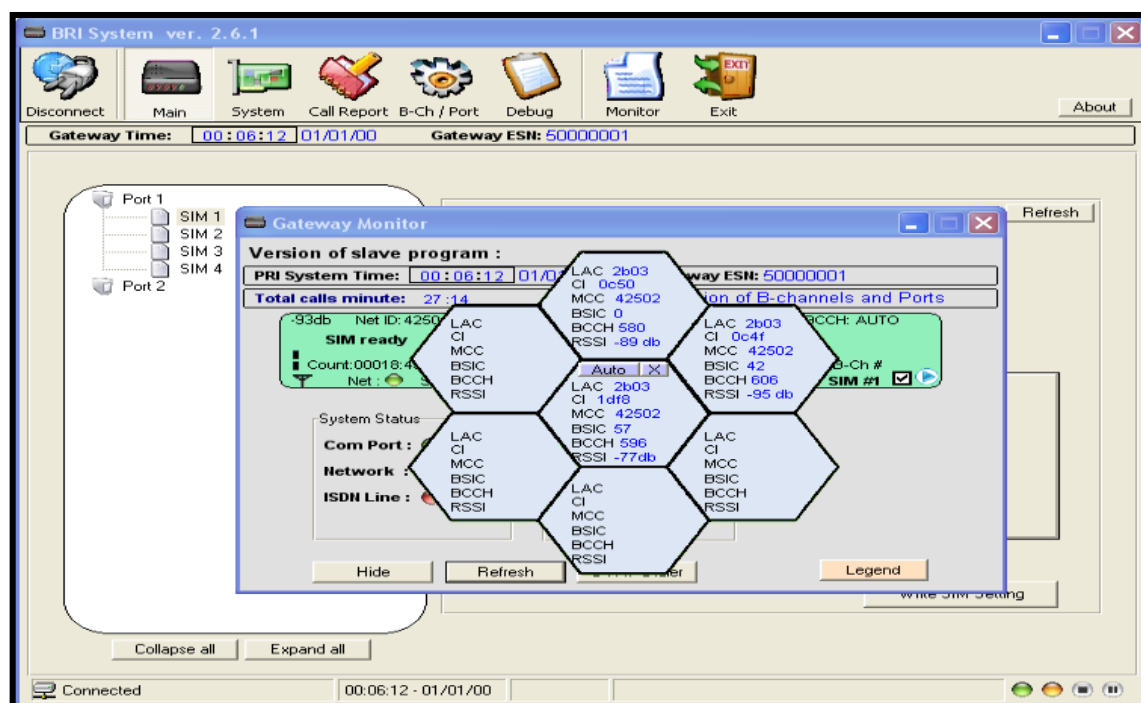
Led Setting:

- A red LED indicates there is no connection.
- A yellow LED indicates there is a connection, but no data transfer.
- A green LED indicates transfer of data.

Left click on the play button will give you the port options:

- **Disable port:** disable or enable the port.
- **Refresh port:** reed the data from the port.
- **DTMF Dialer:** open DTMF dialer dialog box in it you can dial DTMF While Talking.
- **Get Cell Information:** display the cell information (see below).
- **Reset Port 1, 2:** reset the ports.
- **Reset Statistics:** reset the statistics of a specific SIM.

Cell Information: View the antenna reception quality of surrounding antennas.



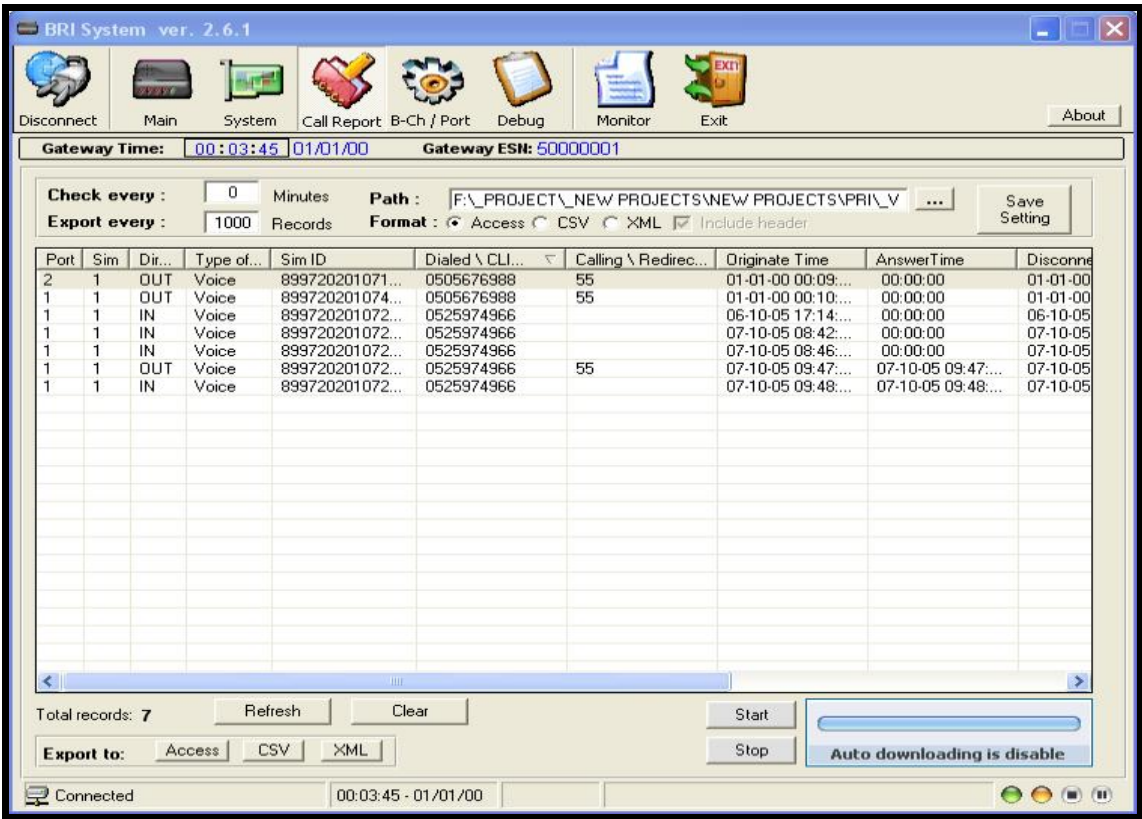
Legend:

- **LAC** - Location Area Code.
- **CI** - Cell ID
- **MCC** - Mobile Country Code
- **BSIC** - Basic Station Identity Code
- **BCCH** - Broadcast Control Channel
- **RSSI** - Receiver Signal Strength

Chapter 7.2: Call Reports



Press **Call Report** to review the call report.



Press **Start** to view the last calls that were made.

Press **Access/CSV/XML** to export the calls list to a file in that format.

For Automatic exporting of the list to a file you need to define the **Path** of the file (above), the **Format**, the **Check every** timer and the **Export every**. The program will check if there is the amount of records in the memory (specified in **Export every**) every **Check every** minutes. If there is, the program will export the list to the file specified and will clear the memory.

Chapter 7.3: DELA



Press  to enter the DELA.

BRI System ver. 5.1

Disconnect Main System Call Report B-Ch / Port DELA Debug Monitor Exit About

Gateway Time: 07:37:28 08/03/27 Gateway ESN: 51300056 [Open Backup \ Restore Wizard](#)

Enable 24 Get Data Import Export

Limited DELA Calls

#	OUT/IN number	Extention Number	Waiting time
1			000
2			000
3			000
4			000
5			000
6			000
7			000
8			000
9			000
10			000
11			000
12			000
13			000
14			000
15			000
16			000

Unlimited DELA Calls

#	OUT/IN number	Extention Number	delete	update
1			delete	update
2			delete	update
3			delete	update
4			delete	update
5			delete	update
6			delete	update
7			delete	update
8			delete	update
9			delete	update
10			delete	update
11			delete	update
12			delete	update
13			delete	update
14			delete	update
15			delete	update
16			delete	update

OUT/IN number Extention Add

Clear limited DELA Clear unlimited DELA Clear All DELA Write

Connected 07:37:28 - 08/03/27

DELA is a way to direct calls from a GSM number to specified extension.

There are two ways to do that.

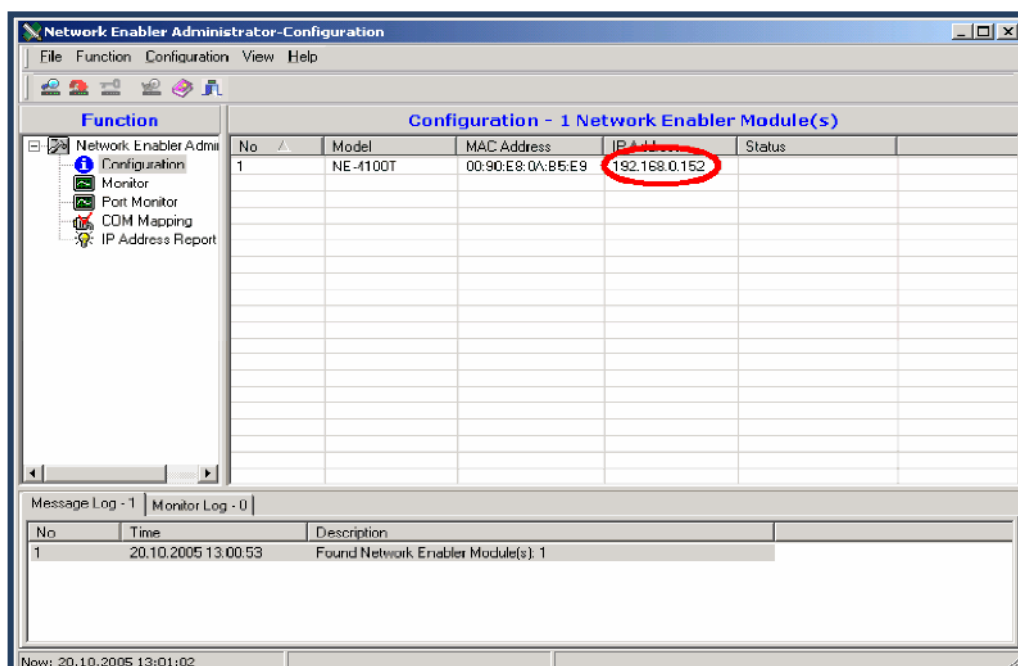
1. **Unlimited DELA Calls** – Enter the GSM number in the **OUT/IN number** box, enter the extension number in the **Extention** box, Press **Add** button to list them. From now on, every call from this GSM number will be directed to this extension.
2. **Limited DELA Calls** – Change the table to **Enable**, choose the time (in hours) you want each entry to remain in the table. A call from an extension to a GSM number will be entered the table. From now on, until the timer will expire, whenever the specified GSM number will call, the call will be directed to the extension specified in the table.

You can Export/Import the data to a file.

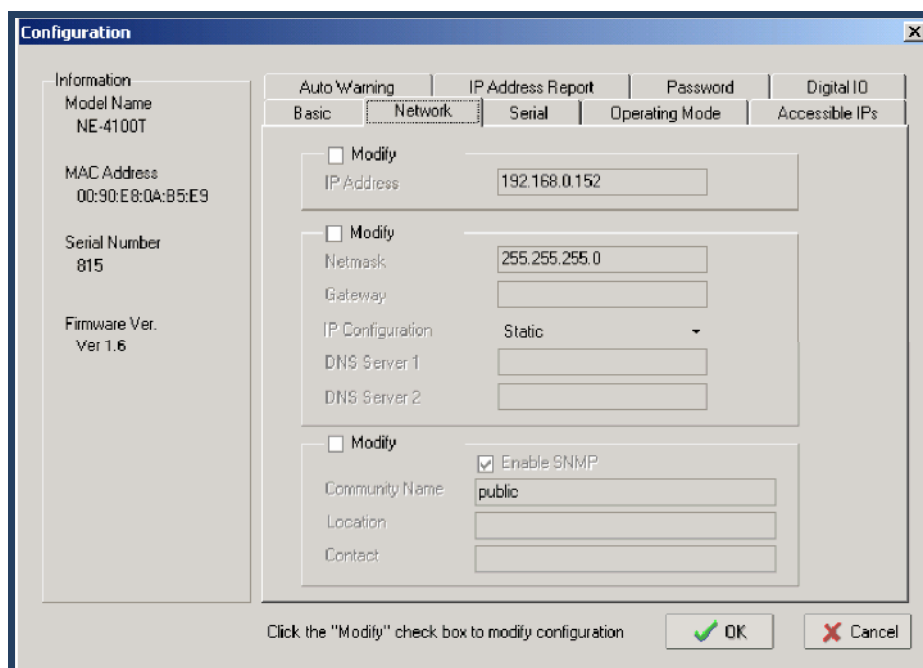
Appendix A: TCP/IP Setting

TCP/IP settings task list:

1. Connect the BRI Gateway to your LAN via the COM connector.
2. Install the software **Network Enabler Administrator** which is provided on the installation CD at the directory **LAN Tools**.
3. Launch the software **Network Enabler** and click the **SEARCH** icon (upper left side) to find the BRI Gateway IP.
4. The BRI Gateway IP should appear in the next screen:



5. Double click on the IP, then Press the **Network** tab. The next screen will open:



6. Check the **Modify** check box above the IP Address and enter the desired IP, press the **Modify** below to change **Netmask** and other settings; after you made changes, press the **OK** button.
7. Close the **Network Enabler**.
8. Press **Connect** button in the BRI Management.
9. Select **TCP/IP** in the **Connection Mode**.
10. Enter the **IP Address** and the **Port Number** (the default is port 4001).
11. Press **OK** to connect to the BRI Gateway via the TCP/IP.